Abstract

A circular buffer for use in a telecommunications system is described as well as a
method of operating the same in which data is protected during wraparound procedures.

5   In the operation of the circular buffer at least four reference values are stored to enable
address calculations: a first reference value representative of a begin address of the
circular buffer; a second reference value representative of an end address of the circular
buffer; a third reference value representative of a current write address of the circular
buffer; and a fourth reference value representative of a current read address of the

10   circular buffer. The cyclic state of the buffer is also monitored in order to protect the
data after a wraparound or when the buffer is full. The buffer is able to accommodate
multirate data arrival.

15   Fig. 3